Lightweight Laser Designator Rangefinder (LLDR)

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Overmatch Capabilities

MISSION

Provide artillery light forces and U.S. Marine Corps (USMC) forward observers with the capability to detect, recognize, locate, and designate targets and digital self/target data to fire control centers.

DESCRIPTION AND SPECIFICATIONS

The Lightweight Laser Designator Rangefinder (LLDR) is a man-portable, modular target location and designation system whose major components are the target locator module (TLM), laser designator module (LDM), battery, and tripod. LLDR supports direct, indirect, and laser-guided munitions.

The TLM contains a charge coupled device (CCD) camera, thermal imager, eyesafe laser rangefinder, digital magnetic compass, Global Positioning System (GPS), and digital export capability. The Department of Defense/North Atlantic Treaty Organization-compatible LDM can designate targets up to five kilometers. The LLDR weighs less than thirty-five lbs and can be easily transported by a two-person team. Since it is modular, the target location capability can be operated without the LDM. The TLM performs boresight verification by "see-spot" technology.

FOREIGN COUNTERPART

Although several countries have man-portable target location and/or target designation systems, there is no existing system providing all of the capabilities of the LLDR within a 35 lb package.

FOREIGN MILITARY SALES

None

PROGRAM STATUS

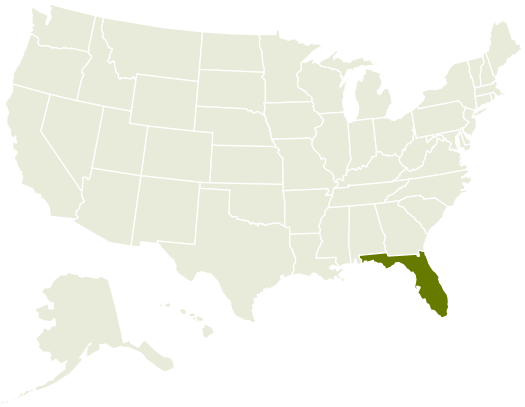
A thirty-month engineering and manufacturing development phase was initiated in 4QFY97. The Army and USMC have agreed to a joint development program. LLDR is a Warfighter Rapid Acquisition Program and has received funding for early fielding of an initial operational capability. The critical design review was held 3QFY98. System integration difficulties and test window availability have extended the development effort by a year.

PROJECTED ACTIVITIES

2/3QFY00 Conduct development testing.

PRIME CONTRACTORS

Litton (Apopka, FL)



* See appendix for list of subcontractors